Study of health outcomes in children with autism and their families Studies on protein synthesis and long-term adaptive responses in the CNS Functional anatomy of face processing in the primate brain Interdisciplinary investigation of biological signatures of autism subtypes Identifying brain-based biomarkers for ASD & their biological subtypes The cognitive neuroscience of autism spectrum disorders Neural dissection of hyperactivity/inattention in autism A systematic test of the relation of ASD heterogeneity to synaptic function Understanding the cognitive impact of early life epilepsy Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations Olivocerebellar circuitry in autism Primate models of autism Kinetics of drug macromolecule complex formation Novel computational methods for higher order diffusion MRI in autism A mitochondrial etiology of autism A mitochondrial etiology of autism A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism Characterizing the genetic systems of autism through functional modules of ASD A longitudinal MRI study of brain development in fragile X syndrome S1,392,862 \$1,392,862 \$1,393,688 aliangty,992,862 \$1,398,688 aliangt	Q2.Other Q2.Other Q2.Other Q2.L.A Q2.Other Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.A Q2.Other Q2.S.A Q2.Other	The Lewin Group National Institutes of Health National Institutes of Health University of California, Davis New York State Psychiatric Institute National Institutes of Health New York University School of Medicine Stanford University Children's Hospital Boston The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego University of Pennsylvania
responses in the CNS Functional anatomy of face processing in the primate brain Interdisciplinary investigation of biological signatures of autism subtypes Identifying brain-based biomarkers for ASD & their biological subtypes The cognitive neuroscience of autism spectrum disorders Neural dissection of hyperactivity/inattention in autism A systematic test of the relation of ASD heterogeneity to synaptic function Understanding the cognitive impact of early life epilepsy Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations The genetic basis of mid-hindbrain malformations Olivocerebellar circuitry in autism Primate models of autism Kinetics of drug macromolecule complex formation Novel computational methods for higher order diffusion MRI in autism A mitochondrial etiology of autism A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other Q2.L.A Q2.Other Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.G Q2.Other Q2.S.G Q2.Other Q2.S.A Q2.Other	National Institutes of Health University of California, Davis New York State Psychiatric Institute National Institutes of Health New York University School of Medicine Stanford University Children's Hospital Boston The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
Interdisciplinary investigation of biological signatures of autism subtypes Identifying brain-based biomarkers for ASD & their biological subtypes The cognitive neuroscience of autism spectrum \$1,121,429 disorders Neural dissection of hyperactivity/inattention in autism \$1,117,595 A systematic test of the relation of ASD heterogeneity to synaptic function Understanding the cognitive impact of early life epilepsy \$845,000 Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations \$773,002 Olivocerebellar circuitry in autism \$756,917 Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism A mitochondrial etiology of autism \$657,793 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.L.A Q2.Other Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.G Q2.Other Q2.S.G Q2.Other	University of California, Davis New York State Psychiatric Institute National Institutes of Health New York University School of Medicine Stanford University Children's Hospital Boston The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
autism subtypes Identifying brain-based biomarkers for ASD & their biological subtypes The cognitive neuroscience of autism spectrum disorders Neural dissection of hyperactivity/inattention in autism Neural dissection of hyperactivity/inattention in autism A systematic test of the relation of ASD heterogeneity to synaptic function Understanding the cognitive impact of early life epilepsy Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations The genetic basis of mid-hindbrain malformations Olivocerebellar circuitry in autism Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation Novel computational methods for higher order diffusion MRI in autism A mitochondrial etiology of autism A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.G Q2.Other Q2.S.G Q2.Other Q2.S.A Q2.Other	New York State Psychiatric Institute National Institutes of Health New York University School of Medicine Stanford University Children's Hospital Boston The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
biological subtypes The cognitive neuroscience of autism spectrum disorders Neural dissection of hyperactivity/inattention in autism \$1,117,595 A systematic test of the relation of ASD heterogeneity to synaptic function Understanding the cognitive impact of early life epilepsy \$845,000 Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations \$773,002 Olivocerebellar circuitry in autism \$756,917 Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism A mitochondrial etiology of autism \$657,793 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.G Q2.Other Q2.S.G Q2.Other Q2.S.A Q2.Other	National Institutes of Health New York University School of Medicine Stanford University Children's Hospital Boston The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
Neural dissection of hyperactivity/inattention in autism A systematic test of the relation of ASD heterogeneity to synaptic function Understanding the cognitive impact of early life epilepsy \$845,000 Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations \$773,002 Olivocerebellar circuitry in autism \$756,917 Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism \$657,793 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis A longitudinal MRI study of brain development in fragile \$617,080	Q2.S.E Q2.Other Q2.S.E Q2.Other Q2.S.G Q2.Other Q2.S.A Q2.Other	New York University School of Medicine Stanford University Children's Hospital Boston The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
A systematic test of the relation of ASD heterogeneity to synaptic function Understanding the cognitive impact of early life epilepsy \$845,000 Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations \$773,002 Olivocerebellar circuitry in autism \$756,917 Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism \$657,793 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other Q2.S.E Q2.Other Q2.S.G Q2.Other Q2.S.A Q2.Other	Stanford University Children's Hospital Boston The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
synaptic function Understanding the cognitive impact of early life epilepsy \$845,000 Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations \$773,002 Olivocerebellar circuitry in autism \$756,917 Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism \$657,793 A mitochondrial etiology of autism \$655,975 functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis A longitudinal MRI study of brain development in fragile \$617,080	Q2.S.E Q2.Other Q2.S.G Q2.Other Q2.S.A Q2.Other	Children's Hospital Boston The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
Defining cells and circuits affected in autism spectrum disorders The genetic basis of mid-hindbrain malformations S773,002 Olivocerebellar circuitry in autism Primate models of autism S734,756 Kinetics of drug macromolecule complex formation S729,415 Novel computational methods for higher order diffusion MRI in autism A mitochondrial etiology of autism A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits S620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other Q2.S.G Q2.Other Q2.S.A Q2.Other	The Rockefeller University Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
disorders The genetic basis of mid-hindbrain malformations \$773,002 Olivocerebellar circuitry in autism \$756,917 Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism \$704,302 A mitochondrial etiology of autism \$657,793 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.S.G Q2.Other Q2.S.A Q2.Other	Seattle Children's Hospital Boston University Medical Campus University of California, Davis University of California, San Diego
Olivocerebellar circuitry in autism \$756,917 Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism \$657,793 A mitochondrial etiology of autism \$657,793 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other Q2.S.A Q2.Other	Boston University Medical Campus University of California, Davis University of California, San Diego
Primate models of autism \$734,756 Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism \$657,793 A mitochondrial etiology of autism \$655,975 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.S.A Q2.Other	University of California, Davis University of California, San Diego
Kinetics of drug macromolecule complex formation \$729,415 Novel computational methods for higher order diffusion MRI in autism A mitochondrial etiology of autism \$657,793 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other	University of California, San Diego
Novel computational methods for higher order diffusion \$704,302 MRI in autism A mitochondrial etiology of autism \$657,793 A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080		
MRI in autism A mitochondrial etiology of autism A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other	University of Pannsylvania
A systems biology approach to unravel the underlying functional modules of ASD A neuroimaging study of twin pairs with autism \$632,389 Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080		Oniversity of Fernisylvania
functional modules of ASD A neuroimaging study of twin pairs with autism Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits A longitudinal MRI study of brain development in fragile \$617,080	Q2.S.A	Children's Hospital of Philadelphia
Characterizing the genetic systems of autism through multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.Other	University of California, San Diego
multi-disease analysis Autism and the insula: Genomic and neural circuits \$620,305 A longitudinal MRI study of brain development in fragile \$617,080	Q2.S.G	Stanford University
A longitudinal MRI study of brain development in fragile \$617,080	Q2.S.G	Harvard Medical School
	Q2.Other	California Institute of Technology
A syndrome	Q2.S.D	University of North Carolina at Chapel Hill
fMRI studies of neural dysfunction in autistic toddlers \$582,409	Q2.Other	University of California, San Diego
Function and structure adaptations in forebrain \$580,377 development	Q2.Other	University of Southern California
Treatment of medical conditions among individuals with autism spectrum disorders \$578,006	Q2.S.E	National Institutes of Health
Taste, smell, and feeding behavior in autism: A \$576,270 quantitative traits study	22.24	University of Rochester
Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD) \$572,893	Q2.Other	

Project Title	Funding	Strategic Plan Objective	Institution
ACE Center: Genetic contributions to endophenotypes of autism	\$569,673	Q2.S.G	University of Washington
BDNF and the restoration of spine plasticity with autism spectrum disorders	\$564,519	Q2.S.D	University of California, Irvine
Sensory processing and integration in autism	\$557,971	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Neurobiological correlates of language dysfunction in autism spectrum disorders	\$555,288	Q2.Other	The Mind Research Network
RNA-Seq studies of gene expression in cells and networks in FI and ACC in autism	\$551,118	Q2.Other	California Institute of Technology
Excessive cap-dependent translation as a molecular mechanism underlying ASD	\$549,386	Q2.Other	New York University
Autistic traits: Life course & genetic structure	\$547,284	Q2.S.G	Washington University
Neural and phenotypic correlates of autism risk genes	\$545,057	Q2.S.G	University of California, Los Angeles
Genetic and developmental analyses of fragile X syndrome	\$544,592	Q2.S.D	Vanderbilt University
Cell adhesion molecules in CNS development	\$541,105	Q2.Other	The Scripps Research Institute
Genotype-phenotype relationships in fragile X families	\$535,019	Q2.S.D	University of California, Davis
Development of novel diagnostics for fragile X syndrome	\$532,677	Q2.S.D	JS Genetics, Inc.
Probing disrupted cortico-thalamic interactions in autism spectrum disorders	\$531,624	Q2.S.D	Children's Hospital Boston
CDI-TYPE II: From language to neural representations of meaning	\$525,000	Q2.Other	Carnegie Mellon University
EFRI- BSBA: Novel microsystems for manipulation and analysis of immune cells	\$524,890	Q2.S.A	University of California, Davis
Neurodevelopmental mechanisms of social behavior	\$515,840	Q2.Other	University of Southern California
ACE Center: Structural and chemical brain imaging of autism	\$514,982	Q2.S.E	University of Washington
Cell-based genomic analysis in mouse models of Rett syndrome	\$513,667	Q2.S.D	Cold Spring Harbor Laboratory
The development of face processing	\$512,804	Q2.Other	Children's Hospital Boston
Pragmatic skills of young males and females with fragile X syndrome	\$507,009	Q2.L.A	University of North Carolina at Chapel Hill
Development of the functional neural systems for face expertise	\$496,073	Q2.Other	University of California, San Diego
Behavioral and genetic biomarker development for autism and related disorders	\$494,132	Q2.S.G	Rutgers, The State University of New Jersey - New Brunswick
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	\$491,943	Q2.Other	University of Utah
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	\$491,909	Q2.S.G	Massachusetts General Hospital

Project Title	Funding	Strategic Plan Objective	Institution
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$474,750	Q2.Other	Memorial Sloan-Kettering Cancer Center
Function of neurexins	\$464,471	Q2.Other	Stanford University
Motor skill learning in autism	\$454,262	Q2.Other	Kennedy Krieger Institute
ACE Center: Systems connectivity + brain activation: maging studies of language + perception	\$439,282	Q2.Other	University of Pittsburgh
The mechanism and significance of Evf ncRNA egulation of the DLX genes	\$438,060	Q2.Other	Children's Memorial Hospital, Chicago
Neuronal activity-dependent regulation of MeCP2	\$437,522	Q2.S.D	Harvard Medical School
digh-throughput DNA sequencing method for probing he connectivity of neural circuits at single-neuron esolution	\$435,000	Q2.Other	Cold Spring Harbor Laboratory
Glial control of neuronal receptive ending morphology	\$422,500	Q2.Other	The Rockefeller University
Synaptic phenotype, development, and plasticity in the ragile X mouse	\$421,590	Q2.S.D	University of Illinois at Urbana Champaign
ntegrative functions of the planum temporale	\$411,394	Q2.Other	University of California, Irvine
leural circuitry of social cognition in the broad autism henotype	\$411,039	Q2.S.G	University of North Carolina at Chapel Hill
Morphogenesis and function of the cerebral cortex	\$409,165	Q2.Other	Yale University
Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions	\$400,000	Q2.S.D	University of Texas Southwestern Medical Center
Elucidating the roles of SHANK3 and FXR in the autism interactome	\$396,509	Q2.S.D	Baylor College of Medicine
Behavioral and neural processing of faces and expressions in nonhuman primates	\$396,000	Q2.Other	Emory University
Allelic choice in Rett syndrome	\$394,425	Q2.S.D	Winifred Masterson Burke Medical Research Institute
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	\$393,174	Q2.Other	University of Pittsburgh
Study of fragile X mental retardation protein in synaptic unction and plasticity	\$392,087	Q2.S.D	University of Texas Southwestern Medical Center
leuroimaging of top-down control and bottom-up processes in childhood ASD	\$390,562	Q2.Other	Georgetown University
Mechanisms for 5-HTT control of PPI and perseverative ehavior using mouse models	\$387,353	Q2.S.G	University of Chicago
maging signal transduction in single dendritic spines	\$386,100	Q2.Other	Duke University
Neuroimmunologic investigations of autism spectrum disorders (ASD)	\$385,337	Q2.S.F	National Institutes of Health
owards an endophenotype for amygdala dysfunction	\$384,145	Q2.Other	California Institute of Technology
Sensory mechanisms and self-injury	\$383,231	Q2.S.E	University of Minnesota

Project Title	Funding	Strategic Plan Objective	Institution
Maternal immune activation, cytokines, and the pathogenesis of autism	\$382,588	Q2.S.A	University of California, Davis
ACE Center: Genetics of serotonin in autism: Neurochemical and clinical endophenotypes	\$382,540	Q2.S.G	University of Illinois at Chicago
ACE Center: Cognitive affective and neurochemical processes underlying is in autism	\$382,540	Q2.Other	University of Illinois at Chicago
Synaptic processing in the basal ganglia	\$382,323	Q2.Other	University of Washington
The microRNA pathway in translational regulation of neuronal development	\$376,031	Q2.S.D	University of Massachusetts Medical School
Prostaglandins and cerebellum development	\$375,000	Q2.S.A	University of Maryland, Baltimore
Physiology of attention and regulation in children with ASD and LD	\$374,693	Q2.Other	Seattle Children's Hospital
Translation regulation in hippocampal LTP and LTD	\$372,141	Q2.S.D	New York University
Selective disruption of hippocampal dentate granule cells in autism: Impact of PTEN deletion	\$371,250	Q2.S.E	Cincinnati Children's Hospital Medical Center
Linking local activity and functional connectivity in autism	\$369,635	Q2.Other	San Diego State University
Neural basis of behavioral flexibility	\$367,565	Q2.Other	Mount Sinai School of Medicine
Development of face processing expertise	\$360,996	Q2.Other	University of Toronto
Olfactory abnormalities in the modeling of Rett syndrome	\$355,163	Q2.S.D	Johns Hopkins University
Cognitive mechanisms of serially organized behavior	\$349,715	Q2.Other	Columbia University
Molecular components of A-type K+ channels	\$349,013	Q2.S.E	New York University School of Medicine
Psychobiological investigation of the socioemotional functioning in autism	\$348,750	Q2.Other	Vanderbilt University
The neural basis of sexually dimorphic brain function	\$343,502	Q2.S.B	University of Massachusetts Amherst
Regulation of synaptogenesis by cyclin-dependent kinase 5	\$342,454	Q2.Other	Massachusetts Institute of Technology
The role of MeCP2 in Rett syndrome	\$337,753	Q2.S.D	University of California, Davis
The microstructural basis of abnormal connectivity in autism	\$336,355	Q2.Other	University of Utah
A non-human primate autism model based on maternal infection	\$335,155	Q2.S.A	California Institute of Technology
Cerebellar modulation of frontal cortical function	\$331,107	Q2.Other	University of Memphis
Cellular and molecular alterations in GABAergic inhibitor circuits by mutations in MeCP2	\$330,774	Q2.S.D	Cold Spring Harbor Laboratory
ACE Center: Neuroimaging studies of connectivity in ASD	\$330,130	Q2.Other	Yale University
Statistical analysis of biomedical imaging data in curved space	\$330,008	Q2.Other	University of North Carolina at Chapel Hill
Glutamate receptor desensitization and its modulation	\$328,338	Q2.Other	Colorado State University

Project Title	Funding	Strategic Plan Objective	Institution
ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition	\$325,302	Q2.S.G	University of California, Los Angeles
Gene silencing in fragile X syndrome	\$323,483	Q2.S.D	National Institutes of Health
A family-genetic study of language in autism	\$321,304	Q2.S.G	Northwestern University
MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	\$320,469	Q2.S.D	University of Alabama at Birmingham
Elucidating the function of class 4 semaphorins in SABAergic synapse formation	\$320,250	Q2.Other	Brandeis University
Proteomics in drosophila to identify autism candidate ubstrates of UBE3A	\$316,355	Q2.S.D	University of Tennessee Health Science Center
esting neurological models of autism	\$315,526	Q2.Other	California Institute of Technology
Regulation of 22q11 genes in embryonic and adult orebrain	\$313,000	Q2.S.D	The George Washington University
Probing a monogenic form of autism from molecules to behavior	\$312,500	Q2.S.D	Stanford University
Perturbed activity-dependent plasticity mechanisms in autism	\$311,292	Q2.Other	Harvard Medical School
Ising functional physiology to uncover the fundamental rinciples of visual cortex	\$310,700	Q2.Other	Carnegie Mellon University
CE Center: Mirror neuron and reward circuitry in autism	\$305,987	Q2.Other	University of California, Los Angeles
he neural basis of social cognition	\$305,233	Q2.Other	Indiana University
steroid receptors and brain sex differences	\$301,240	Q2.S.B	University of Wisconsin - Madison
a comparative developmental connectivity study of face processing	\$296,461	Q2.Other	University of Kentucky
Molecular mechanisms regulating synaptic strength	\$296,257	Q2.Other	Washington University
Studies of social communication in speakers with autism pectrum disorder	\$292,249	Q2.Other	Yale University
ongitudinal neurogenetics of atypical social brain levelopment in autism	\$292,163	Q2.S.G	Yale University
study of autism	\$291,461	Q2.L.B	University of Pennsylvania
Cortical circuit changes and mechanisms in a mouse nodel of fragile X syndrome	\$290,266	Q2.S.D	University of Texas Southwestern Medical Center
SABAergic dysfunction in autism	\$290,090	Q2.Other	University of Minnesota
study of the computational space of facial expressions f emotion	\$285,938	Q2.Other	The Ohio State University
Chemosensory processing in chemical communication	\$284,599	Q2.Other	Florida State University
Neural mechanisms of tactile sensation in rodent somatosensory cortex	\$284,334	Q2.Other	University of California, Berkeley

Project Title	Funding	Strategic Plan Objective	Institution
Imaging PTEN-induced changes in adult cortical structure and function in vivo	\$278,686	Q2.Other	University of California, Los Angeles
The MET signaling system, autism and gastrointestinal dysfunction	\$277,299	Q2.S.E	University of Southern California
A sex-specific dissection of autism genetics	\$270,375	Q2.S.B	University of California, San Francisco
Imaging brain and movement in ASD	\$270,358	Q2.Other	University of California, San Diego
TrkB agonist(s), a potential therapy for autism spectrum disorders	\$269,500	Q2.S.D	University of California, Los Angeles
Neural synchrony dysfunction of gamma oscillations in autism	\$265,595	Q2.Other	University of Colorado Denver
Young development of a novel PET ligand for detecting oxytocin receptors in brain	\$264,000	Q2.Other	Emory University
Development of brain connectivity in autism	\$262,100	Q2.Other	New York School of Medicine
Functional circuit disorders of sensory cortex in ASD and RTT	\$261,599	Q2.S.D	University of Pennsylvania
Gross morphological correlates to the minicolumnopathy of autism	\$259,000	Q2.Other	University of Louisville
The development of object representation in infancy	\$258,335	Q2.Other	University of California, Davis
CAREER: Enabling community-scale modeling of human behavior and its application to healthcare	\$253,767	Q2.Other	Dartmouth College
Autism spectrum disorders and the visual analysis of human motion	\$250,000	Q2.Other	Rutgers, The State University of New Jersey
Complex decisions and the brain: An experimental and theoretical approach	\$248,999	Q2.Other	Cold Spring Harbor Laboratory
Cerebellar anatomic and functional connectivity in autism spectrum disorders	\$246,178	Q2.Other	University of Texas at Austin
Neuroimaging of social perception	\$245,265	Q2.Other	University of Virginia
An ex-vivo placental perfusion system to study maternofetal biology	\$243,000	Q2.S.A	University of Southern California
Augmentation of the cholinergic system in fragile X syndrome: A double-blind placebo study	\$240,000	Q2.S.D	Stanford University
Functional neuroanatomy of developmental changes in face processing	\$236,799	Q2.Other	Medical University of South Carolina
Metacognition in comparative perspective	\$234,705	Q2.Other	University at Buffalo, The State University of New York
Autism-specific mutation in DACT1: Impact on brain development in a mouse model	\$231,750	Q2.Other	University of California, San Francisco
GABA(A) receptor modulation via the beta subunit	\$226,499	Q2.Other	Emory University
A neural model of fronto-parietal mirror neuron system dynamics	\$225,557	Q2.Other	University of Maryland

Project Title	Funding	Strategic Plan Objective	Institution
Neural mechanisms for social cognition in autism spectrum disorders	\$223,233	Q2.Other	Massachusetts Institute of Technology
Cochlear efferent feedback and hearing-in-noise perception in autism	\$221,822	Q2.Other	University of Rochester
Developing novel automated apparatus for studying attery of social behaviors in mutant mouse models for autism	\$217,948	Q2.Other	Weizmann Institute of Science
Communicative and emotional facial expression roduction in children with autism	\$212,250	Q2.Other	University of Massachusetts Medical School
Cell type-based genomics of developmental plasticity in ortical GABA interneurons	\$210,000	Q2.Other	Cold Spring Harbor Laboratory
Angelman syndrome (AS)	\$208,335	Q2.S.D	University of Alabama at Birmingham
A family-genetic study of language in autism	\$208,064	Q2.S.G	University of North Carolina at Chapel Hill
ACE Center: Imaging the autistic brain before it knows it has autism	\$206,070	Q2.Other	University of California, San Diego
Morphological decomposition in derived word recognition: Single trial correlational MEG studies of morphology down to the roots	\$204,301	Q2.Other	New York University
Sene expression and laminar analyses of pathological cortical patches in autism	\$199,739	Q2.Other	University of California, San Diego
CNS toxicity of ambient air pollution: Postnatal exposure o ultrafine particles	\$191,406	Q2.S.A	University of Rochester
Brain circuitry in simplex autism	\$187,500	Q2.Other	Washington University in St. Louis
Autism: Neuropeptide hormones and potential pathway genes	\$184,353	Q2.S.G	University of Illinois at Chicago
Simons Variation in Individuals Project (Simons VIP)	\$181,357	Q2.S.G	Emory University
Senetic dissection of restricted repetitive behavior (RRB)	\$179,219	Q2.S.G	University of Florida
ctivity-dependent phosphorylation of MeCP2	\$173,979	Q2.S.D	Harvard Medical School
Project 2: Immunological susceptibility of autism	\$173,585	Q2.S.A	University of California, Davis
Development of the functional neural systems for face expertise (supplement)	\$172,529	Q2.Other	University of California, San Diego
leural correlates of restricted, repetitive behaviors in autism spectrum disorders	\$171,842	Q2.S.G	Massachusetts General Hospital
CAREER: Dissecting the neural mechanisms for face letection	\$170,000	Q2.Other	California Institute of Technology
Multimodal brain imaging in autism spectrum disorders	\$167,832	Q2.Other	University of Washington
dentification of candidate genes at the synapse in autism spectrum disorders	\$167,751	Q2.Other	Yale University
Structural and functional connectivity of large-scale brain networks in autism spectrum disorders	\$165,629	Q2.Other	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
HCC:Small:Computational studies of social nonverbal communication	\$165,307	Q2.Other	University of Southern California
Multiple systems in theory of mind development	\$163,096	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	\$161,094	Q2.S.D	Dana-Farber Cancer Institute
Functional neuroimaging of psychopharmacologic intervention for autism	\$158,810	Q2.L.B	University of North Carolina at Chapel Hill
Modulation of fxr1 splicing as a treatment strategy for autism in fragile X syndrome	\$158,649	Q2.S.D	Stanford University
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	\$157,387	Q2.Other	University of Pittsburgh
Serotonin signal transduction in two groups of autistic patients	\$157,000	Q2.Other	University of Illinois at Chicago
Neural basis of cross-modal influences on perception	\$156,424	Q2.Other	University of California, San Diego
Neural correlates of maturation of face processing	\$156,354	Q2.Other	Stanford University
Multimodal analyses of face processing in autism & down syndrome	\$156,083	Q2.Other	University of Massachusetts Medical School
A primate model of gut, immune, and CNS response to childhood vaccines	\$155,086	Q2.S.A	University of Washington
Motor control and cerebellar maturation in autism	\$154,143	Q2.Other	University of Illinois at Chicago
Sex differences in early brain development; Brain development in Turner syndrome	\$153,382	Q2.S.D	University of North Carolina at Chapel Hill
Behavioral and sensory evaluation of auditory discrimination in autism	\$151,692	Q2.Other	University of Massachusetts Medical School
II-EN: City University of New York - Computing research infrastructure	\$150,803	Q2.Other	College of Staten Island (City University of New York)
Social and affective components of communication	\$150,119	Q2.Other	Salk Institute For Biological Studies
A sex-specific dissection of autism genetics	\$150,000	Q2.S.B	University of California, San Francisco
Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	\$150,000	Q2.S.D	Columbia University
Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome	\$150,000	Q2.S.D	George Washington University
Coordinated control of synapse development by autism- linked genes	\$150,000	Q2.S.D	University of Texas Southwestern Medical Center
Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes	\$150,000	Q2.S.G	University of Washington
The brain genomics superstruct project	\$150,000	Q2.S.G	President & Fellows of Harvard College
20-year outcome of autism	\$150,000	Q2.L.A	University of Utah

Project Title	Funding	Strategic Plan Objective	Institution
Function and dysfunction of neuroligins in synaptic circuits	\$150,000	Q2.Other	Stanford University
The integration of interneurons into cortical microcircuits	\$150,000	Q2.Other	New York University School of Medicine
he role of CNTNAP2 in embryonic neural stem cell egulation	\$150,000	Q2.Other	Johns Hopkins University School of Medicine
efining the dynamics of the default network with direct rain recordings and functional MRI	\$149,942	Q2.Other	University of Washington
ognitive control in autism	\$149,754	Q2.Other	University of California, Davis
unctional analysis of neurexin IV in Drosophila	\$148,746	Q2.Other	University of California, Los Angeles
developmental social neuroscience approach to erception-action relations	\$144,259	Q2.Other	Temple University
ISD: Collaborative research: Evolutionary, evelopmental, and neurobiological sources of moral adgments	\$143,883	Q2.Other	Harvard University
he role of FOX-1 in neurodevelopment and autistic pectrum disorder	\$142,677	Q2.Other	University of California, Los Angeles
AREER: Integrative behavioural and europhysiological studies of normal and autistic ognition using video game environments	\$140,000	Q2.Other	Cornell University
Senetic studies of autism-related Drosophila neurexin nd neuroligin	\$137,500	Q2.Other	The University of North Carolina at Chapel Hill
//RI: Acquisition of a high-density electrophysiology aboratory for intercollegiate research and training in ognitive neuroscience	\$137,003	Q2.Other	Scripps College
evelopment of ventral stream organization	\$136,047	Q2.Other	University of Pittsburgh
ollaborative research: Modeling perception and emory: Studies in priming	\$134,781	Q2.Other	Indiana University
undamental mechanisms of GPR56 activation and egulation	\$134,269	Q2.S.D	Emory University
ficroRNAs in synaptic plasticity and behaviors relevant o autism	\$131,220	Q2.S.D	Massachusetts General Hospital
unctional imaging of flexibility in autism: Informed by LC6A4	\$128,971	Q2.S.G	Children's Research Institute
Connectivity of anterior cingulate cortex networks in utism	\$128,739	Q2.Other	New York University School of Medicine
laternal infection and autism: Impact of placental ufficiency and maternal inflammatory responses on etal brain development	\$127,500	Q2.S.A	Stanford University
evelopmental versus acute mechanisms mediating tered excitatory synaptic function in the fragile X Indrome mouse model	\$127,500	Q2.S.D	University of Texas Southwestern Medical Center

Project Title	Funding	Strategic Plan Objective	Institution
Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment	\$127,500	Q2.Other	Kennedy Krieger Institute
Role of neuroligin in synapse stability	\$127,500	Q2.Other	Oklahoma Medical Research Foundation
Influence of the maternal immune response on the development of autism	\$127,499	Q2.S.A	University of Medicine & Dentistry of New Jersey
Role of Pam in synaptic morphology and function	\$127,497	Q2.Other	Massachusetts General Hospital
Neural correlates of social exchange and valuation in autism	\$127,487	Q2.Other	Baylor College of Medicine
Stereological analyses of neuron numbers in frontal cortex from age 3 years to adulthood in autism	\$127,422	Q2.Other	University of California, San Diego
Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics	\$127,168	Q2.Other	Université de Montréal
Role of micro-RNAs in ASD affected circuit formation and function	\$127,085	Q2.Other	University of California, San Francisco
MEG investigation of the neural substrates underlying visual perception in autism	\$126,317	Q2.Other	Massachusetts General Hospital
Pragmatic skills of young males and females with fragile X syndrome (supplement)	\$125,116	Q2.L.A	University of North Carolina at Chapel Hill
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	\$125,000	Q2.Other	Massachusetts General Hospital
CAREER: Model-based fMRI of human object recognition	\$123,719	Q2.Other	Georgetown University
Face perception: Mapping psychological spaces to neural responses	\$119,998	Q2.Other	Stanford University
Simons Variation in Individuals Project (VIP) Site	\$118,142	Q2.S.G	University of Washington
Primate models of autism	\$114,105	Q2.S.A	University of California, Davis
A non-human primate autism model based on maternal immune activation	\$114,105	Q2.S.A	University of California, Davis
Anatomy of primate amygdaloid complex	\$114,105	Q2.Other	University of California, Davis
Dimensions of mind perception	\$112,584	Q2.Other	Harvard University
Regulation of inflammatory Th17 cells in autism spectrum disorder	\$112,500	Q2.S.A	New York University School of Medicine
Engrailed and the control of synaptic circuitry in drosophila	\$112,500	Q2.Other	University of Puerto Rico Medical Sciences Campus
Neurogenic growth factors in autism	\$112,494	Q2.S.G	Yale University
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	\$112,327	Q2.S.E	Beth Israel Deaconess Medical Center
Dendritic organization within the cerebral cortex in autism	\$110,966	Q2.Other	The Open University

Project Title	Funding	Strategic Plan Objective	Institution
A multigenerational longitudinal study of language development: Insight from autism	\$108,904	Q2.S.G	Northwestern University
Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders	\$103,062	Q2.L.A	University of Washington
Experience and cognitive development in infancy	\$101,841	Q2.Other	University of California, Davis
Cognitive control of emotion in autism	\$101,034	Q2.Other	University of Pittsburgh
Neural bases of semantic interpretation	\$100,013	Q2.Other	New York University
Investigation of cortical folding complexity in children with autism, their autism-discordant siblings, and controls	\$100,000	Q2.Other	Stanford University
CAREER: The neuro-cognitive evolution of speech-reading	\$100,000	Q2.Other	Princeton University
Neurexin-neuroligin trans-synaptic interaction in learning and memory	\$100,000	Q2.Other	Columbia University
Neurexin-neuroligin trans-synaptic interaction in learning and memory	\$100,000	Q2.Other	Columbia University
Relating copy number variants to head and brain size in neuropsychiatric disorders	\$99,862	Q2.S.G	University of California, San Diego
Action anticipation in infants	\$99,789	Q2.Other	University of Chicago
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	\$95,323	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
The neural basis of early action perception	\$95,040	Q2.Other	University of Washington
Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	\$93,500	Q2.S.A	University of Medicine & Dentistry of New Jersey
CAREER: The role of prosody in word segmentation and lexical access	\$92,995	Q2.Other	Michigan State University
Neural correlates of serotonin transporter gene polymorphisms and social impairment in ASD	\$92,811	Q2.S.G	University of Michigan
A multigenerational longitudinal study of language development: Insight from autism	\$92,000	Q2.S.G	University of North Carolina at Chapel Hill
Exploring the uncanny valley	\$90,500	Q2.Other	Carnegie Mellon University
The pathogenesis of autism: Maternal antibody exposure in the fetal brain	\$90,173	Q2.S.A	The Feinstein Institute for Medical Research
Collaborative research: Modeling perception and memory: Studies in priming	\$90,146	Q2.Other	University of California, San Diego
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	\$90,074	Q2.Other	University of Southern California
Presynaptic fragile X proteins	\$90,000	Q2.S.D	Brown University

Project Title	Funding	Strategic Plan Objective	Institution
Time perception and timed performance in autism	\$89,846	Q2.Other	Kennedy Krieger Institute
CAREER: Typical and atypical development of brain regions for theory of mind	\$89,214	Q2.Other	Massachusetts Institute of Technology
Autistic endophenotypes and their associations to oxytocin and cholesterol	\$84,750	Q2.Other	Mount Sinai School of Medicine
Learning and compression in human working memory	\$84,000	Q2.Other	Harvard University
Met signaling in neural development and circuitry formation	\$81,998	Q2.Other	University of Southern California
Neural basis for the production and perception of prosody	\$80,190	Q2.Other	University of Southern California
Social behavior deficits in autism: Role of amygdala	\$79,438	Q2.Other	State University of New York Upstate Medical Center
Gamma band dysfunction as a local neuronal connectivity endophenotype in autism	\$78,797	Q2.Other	University of Colorado Denver
Neuroligin regulation of central GABAergic synapses	\$78,000	Q2.Other	Duke University
Neurocognitive mechanisms underlying children's theory of mind development	\$77,250	Q2.Other	University of California, San Diego
Neuronal activity-dependent regulation of MeCP2 (supplement)	\$77,123	Q2.S.D	Harvard Medical School
Physiological and behavioral characterization of sensory dysfunction in autism	\$76,478	Q2.Other	Thomas Jefferson University
Quantitative proteomic approach towards understanding and treating autism	\$75,000	Q2.S.D	Emory University
Role of intracellular mGluR5 in fragile X syndrome and autism	\$75,000	Q2.S.D	Washington University in St. Louis
Aberrant synaptic function caused by TSC mutation in autism	\$75,000	Q2.S.D	Columbia University
Testing the effects of cortical disconnection in non- human primates	\$75,000	Q2.Other	The Salk Institute for Biological Studies
Establishing zebrafish as a model for RAI1 gene dosage	\$74,750	Q2.S.D	Virginia Commonwealth University
An investigation of the overlap of autism and fragile X syndrome	\$74,000	Q2.S.G	University of North Carolina at Chapel Hill
Functional neuroanatomy of developmental changes in face processing	\$70,669	Q2.Other	University of Kentucky
Neural systems for the extraction of socially-relevant information from faces	\$70,514	Q2.Other	Dartmouth College
Is there a hierarchy of social inference? Intentionality, mind, and morality	\$67,911	Q2.Other	Brown University
Canonical neural computation in autism spectrum disorders	\$66,906	Q2.Other	New York University
Collaborative research: The path to verb learning	\$66,000	Q2.Other	Temple University

Project Title	Funding	Strategic Plan Objective	Institution	
Infants' developing representation of object function	\$63,259	Q2.Other	University of California, Davis	
Brain lipid rafts in cholesterol biosynthesis disorders	\$63,000	Q2.Other	Medical College of Wisconsin	
s autism a mitochondrial disease?	\$60,000	Q2.S.A	University of California, Davis	
Gene-environment interactions in the pathogenesis of autism-like neurodevelopmental damage: A mouse model	\$60,000	Q2.S.A	Johns Hopkins University School of Medicine	
Neuroligins and neurexins as autism candidate genes: Study of their association in synaptic connectivity	\$60,000	Q2.Other	University of California, San Diego	
Using genetically modified mice to explore the neuronal network involved in social recognition	\$60,000	Q2.Other	Haifa University	
Role of neuroligins in long-term plasticity at excitatory and inhibitory synapses	\$59,918	Q2.Other	Albert Einstein College of Medicine of Yeshiva Univers	
Psychophysiological mechanisms of emotion expression	\$59,668	Q2.Other	Georgia State University	
Collaborative research: Learning complex auditory categories	\$57,417	Q2.Other	Carnegie Mellon University	
The neural correlates of transient and sustained executive control in children with autism spectrum disorder	\$57,246	Q2.Other	University of Missouri	
Autism: The neural substrates of language in siblings	\$56,955	Q2.S.G	Boston University Medical Campus	
The role of the autism-associated gene tuberous sclerosis complex 2 (TSC2) in presynaptic development	\$56,000	Q2.S.D	University of California, San Diego	
Children's causal learning and developing knowledge of mechanisms	\$55,309	Q2.Other	Brown University	
Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift	\$54,823	Q2.S.G	Columbia University	
Autism: Neuropeptide hormones and potential pathway genes (supplement)	\$54,000	Q2.S.G	University of Illinois at Chicago	
Regulation of synapse elimination by FMRP	\$52,154	Q2.S.D	University of Texas Southwestern Medical Center	
Analysis of Fgf17 roles and regulation in mammalian orebrain development	\$52,154	Q2.Other	University of California, San Francisco	
Synaptic analysis of neuroligin1 function	\$52,154	Q2.Other	Stanford University	
Role of GluK6 in cerebella circuitry development	\$52,106	Q2.Other	Yale University	
Behavioral and neural processing of faces and expressions in nonhuman primates (supplement)	\$52,064	Q2.Other	Emory University	
Neural substrate of language and social cognition: Nutism and typical development	\$50,474	Q2.Other	Massachusetts Institute of Technology	
MRI study of reward responsiveness of children with autism spectrum disorder	\$49,846	Q2.Other	University of California, Los Angeles	
MRI studies of cerebellar functioning in autism	\$49,000	Q2.Other	University of Illinois at Chicago	

\$48,612	00.04	
	Q2.Other	Princeton University
\$48,000	Q2.S.A	University of Oklahoma Health Sciences Center
\$47,606	Q2.Other	Weill Cornell Medical College
\$47,288	Q2.Other	College of the Holy Cross
\$44,000	Q2.S.D	Cold Spring Harbor Laboratory
\$43,308	Q2.S.A	Kaiser Permanente Division of Research
\$42,111	Q2.Other	Boston University Medical Campus
\$41,380	Q2.S.D	Stanford University
\$41,380	Q2.Other	Stanford University
\$40,546	Q2.Other	University of Maryland, Baltimore County
\$40,000	Q2.S.A	Tufts University
\$40,000	Q2.Other	Univ of North Carolina
\$40,000	Q2.Other	Brown University
\$38,941	Q2.S.G	University of California, San Francisco
\$37,604	Q2.S.D	J. David Gladstone Institutes
\$37,495	Q2.Other	University of Arizona
\$37,355	Q2.S.E	Stanford University
\$33,333	Q2.Other	Rutgers, The State University of New Jersey - Newark
\$33,000	Q2.Other	University of Delaware
\$31,705	Q2.Other	University of Michigan
\$31,561	Q2.S.B	University of California, Los Angeles
\$30,000	Q2.S.G	Emory University
	\$47,606 \$47,288 \$44,000 \$43,308 \$42,111 \$41,380 \$40,546 \$40,000 \$40,000 \$40,000 \$38,941 \$37,604 \$37,495 \$37,355 \$33,333 \$33,000 \$31,705	\$47,606 \$47,288 Q2.Other \$44,000 Q2.S.D \$43,308 Q2.S.A Q2.Other \$41,380 Q2.Other \$41,380 Q2.Other \$40,000 Q2.S.A \$40,000 Q2.S.A \$40,000 Q2.Other \$340,000 Q2.Other \$20.Other \$20.Other Q2.Other Q2.Other

Project Title	Funding	Strategic Plan Objective	Institution
Are neuronal defects in the cerebral cortex linked to autism?	\$28,334	Q2.Other	Memorial Sloan-Kettering Cancer Center
A role for immune molecules in cortical connectivity: Potential implications for autism	\$28,000	Q2.S.A	University of California, Davis
How does IL-6 mediate the development of autism- related behaviors?	\$28,000	Q2.S.A	California Institute of Technology
Influence of oxidative stress on transcription and alternative splicing of methionine synthase in autism	\$28,000	Q2.S.A	Northeastern University
In-vivo imaging of neuronal structure and function in a reversible mouse model for autism.	\$28,000	Q2.S.D	Baylor College of Medicine
Social cognition in 22q11.2 deletion syndrom (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates	\$28,000	Q2.S.G	State University of New York Upstate Medical University
Neurobiological mechanisms of insistence on sameness in autism	\$28,000	Q2.Other	University of Illinois at Chicago
MEG investigation of phonological processing in autism	\$28,000	Q2.Other	University of Colorado Denver
Informational and neural bases of empathic accuracy in autism spectrum disorder	\$28,000	Q2.Other	Columbia University
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	\$28,000	Q2.Other	Vanderbilt University
Roles of Wnt signaling/scaffolding molecules in autism	\$28,000	Q2.Other	University of California, San Francisco
Longitudinal neurodevelopment of auditory and language cortex in autism	\$27,522	Q2.Other	University of Utah
Evaluation of sleep disturbance in children with ASD	\$27,456	Q2.Other	Center for Autism and Related Disorders (CARD)
The neural substrates of social interactions	\$27,327	Q2.Other	University of Iowa
The role of intracellular metabotropic glutamate receptor 5 at the synapse	\$25,890	Q2.S.D	Washington University in St. Louis
Linguistic perspective-taking in adults with high- functioning autism: Investigation of the mirror neuron system	\$25,570	Q2.Other	Carnegie Mellon University
Cognitive mechanisms of serially organized behavior (supplement)	\$25,029	Q2.Other	Columbia University
Environmentally induced oxidative stress and altered local brain thyroid horomone metabolism: relevance to autism?	\$25,000	Q2.S.A	Harvard Medical School; Brigham and Women's Hospital
Th cell polarization and candida reactivity in autistic children with food allergy	\$25,000	Q2.S.E	University of Medicine & Dentistry of New Jersey
Synchronous activity in networks of electrically coupled cortical interneurons	\$24,981	Q2.Other	University of California, Davis
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	\$24,731	Q2.S.G	Children's Hospital Boston

Project Title	Funding	Strategic Plan Objective	Institution
Influence of maternal cytokines on activation of the innate immune system as a factor in the development of autism	\$24,000	Q2.S.A	University of Medicine & Dentistry of New Jersey
Cellular characterization of Caspr2	\$23,907	Q2.Other	University of California, San Diego
Molecular pathways involved in oxidative stress and leaky gut impairment in autism spectrum disorders	\$20,000	Q2.S.A	University of Naples
Collaborative research: Detecting false discoveries under dependence using mixtures	\$20,000	Q2.Other	North Carolina State University
Description and assessment of sensory abnormalities in ASD	\$18,968	Q2.Other	Center for Autism and Related Disorders (CARD)
Enhanced tissue procurement from autistic indivdiuals	\$17,000	Q2.S.C	NICHD (National Institute of Child Health & Human Development) Brain and Tissue Bank for Developmental Disorders, University of Maryland
Vaccination with regression study	\$16,258	Q2.S.F	Kaiser Permanente Georgia
Multidimensional impact of pain on individuals and family functioning in ASD	\$15,000	Q2.Other	The Research Foundation of the State University of New York
Structural brain differences between autistic and typically-developing siblings	\$12,333	Q2.Other	Stanford University
Creating a specimen bank of neurotypical individuals	\$12,000	Q2.Other	Health Research Institute
Neurological diseases due to inborn errors of metabolism	\$10,458	Q2.S.A	University of Texas Southwestern Medical Center
Regulation of 22q11 genes in embryonic and adult forebrain	\$9,806	Q2.S.D	University of North Carolina at Chapel Hill
Slick and Slack heteromers in neuronal excitability	\$9,298	Q2.Other	Yale University
Functional neuroanatomy of developmental changes in face processing (supplement)	\$7,722	Q2.Other	University of Kentucky
Mechanisms for 5-HTT control of PPI and perseverative behavior using mouse models (supplement)	\$6,802	Q2.S.G	University of Chicago
Doctoral dissertation research: Sign language in deaf and hearing autistic children	\$5,930	Q2.Other	University of Texas at Austin
Characterization of the mirror neuron system in 3-9 month old infants using the BabySQUID imaging system	\$5,519	Q2.Other	University of New Mexico
The effect of mercury and neuropeptide triggers on human mast cell release of neurotoxic molecules	\$5,000	Q2.S.A	Tufts University
Language and social communication in autism	\$3,039	Q2.Other	University of California, Los Angeles
Review of the literature on selenocysteine metabolism and selenoproteins in autism	\$3,000	Q2.Other	Northeastern University School of Pharmacy
The mechanism and significance of Evf ncRNA regulation of the DLX genes	\$2,425	Q2.S.D	University of Washington
White matter structural deficits in high functioning children with autism	\$848	Q2.Other	Feinstein Institute For Medical Research

Project Title	Funding	Strategic Plan Objective	Institution
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	\$25	Q2.Other	University of Pittsburgh
Systematic characterization of the immune response to gluten and casein in autism spectrum disorders	\$0	Q2.S.A	Weill Cornell Medical College
Mechanisms of mitochondrial dysfunction in autism	\$0	Q2.S.A	Georgia State University
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	State University of New York at Potsdam
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	Arkansas Children's Hospital Research Institute
Immune molecules and cortical synaptogenesis: Possible implications for the pathogenesis of autism	\$0	Q2.S.A	University of California, Davis
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	University of Rochester
Consequences of maternal antigen exposure on offspring immunity: An animal model of vertical tolerance	\$0	Q2.S.A	The Fox Chase Cancer Center
Molecular basis of autism associated with human adenylosuccinate lyase gene defects	\$0	Q2.S.D	University of Delaware
Visual system connectivity in a high-risk model of autism	\$0	Q2.S.D	Children's Hospital Boston
Investigation of postnatal drug intervention's potential in rescuing the symptoms of fragile X syndrome in adult mice	\$0	Q2.S.D	Massachusetts Institute of Technology
The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism	\$0	Q2.S.D	Children's Memorial Hospital, Chicago
Relation of sleep epileptiform discharges to insomnia and daytime behavior	\$0	Q2.S.E	Vanderbilt University
Gastrointestinal functions in autism	\$0	Q2.S.E	University at Buffalo, The State University of New York
Etiology of sleep disorders in ASD: Role of inflammatory cytokines	\$0	Q2.S.E	University of Maryland, Baltimore
fMRI evidence of genetic influence on rigidity in ASD	\$0	Q2.S.G	University of Michigan
The genetic link between autism and structural cerebellar malformations	\$0	Q2.S.G	University of Chicago
MRI study of brain development in school age children with autism	\$0	Q2.L.A	University of North Carolina at Chapel Hill
Architecture of myelinated axons linking frontal cortical areas	\$0	Q2.Other	Boston University
Understanding perception and action in autism	\$0	Q2.Other	Kennedy Krieger Institute
Neural basis of audiovisual integration during language comprehension in autism	\$0	Q2.Other	University of Rochester
Past, present, and future-oriented thinking about the self in children with autism spectrum disorder	\$0	Q2.Other	City University London

Project Title	Funding	Strategic Plan Objective	Institution
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Cortical mechanisms underlying visual motion processing impairments in autism	\$0	Q2.Other	Harvard Medical School/McLean Hospital
Analysis of brain microstructure in autism using novel diffusion MRI approaches	\$0	Q2.Other	Washington University School of Medicine
A combined fMRI-TMS study on the role of the mirror neuron system in social cognition: Moving beyond correlational evidence	\$0	Q2.Other	University of California, Los Angeles
Self-injurious behavior: An animal model of an autism endophenotype	\$0	Q2.Other	University of Florida
Visual perspective-taking and the acquisition of American Sign Language by deaf children with autism	\$0	Q2.Other	University of Texas at Austin
Phonological processing in the autism spectrum	\$0	Q2.Other	Heriot-Watt University
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	\$0	Q2.Other	Massachusetts Institute of Technology
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	\$0	Q2.Other	University of California, Los Angeles
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
BDNF secretion and neural precursor migration	\$0	Q2.Other	Dana-Farber Cancer Institute
Multisensory processing in autism	\$0	Q2.Other	University of North Carolina at Chapel Hill
Mimicry and imitation in autism spectrum disorders	\$0	Q2.Other	University of Connecticut
The effects of Npas4 and Sema4D on inhibitory synapse formation	\$0	Q2.Other	Children's Hospital Boston
Neural basis of socially driven attention in children with autism	\$0	Q2.Other	University of California, Los Angeles
Visuospatial processing in adults and children with autism	\$0	Q2.Other	Carnegie Mellon University
Electrical measures of functional cortical connectivity in autism	\$0	Q2.Other	University of Washington